

Product Name: 4" Stud
Description: 400S300-97

Physical Properties

Web Depth (in)	4.000	Gauge	12
Flange Width (in)	3.000	Mils	97
Return Lip (in)	0.625	Design Thickness (in)	0.1017
Standard Coating	CP60	Minimum Thickness (in)	0.0966
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	3.630	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	1.067 in ²
Moment of Inertia (Ix)	2.928 in ⁴
Radius of Gyration (Rx)	1.656 in
Gross Moment of Inertia (Iy)	1.259 in ⁴
Gross Radius of Gyration (Ry)	1.086 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	2.894 in ⁴
Section Modulus (Sxe)	1.307 in ³
Allowable Bending Moment (Ma)	39.13 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	3.679 in ⁴
Warping Constant (Cw)	4.619 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-2.535 in
Radii of Gyration (Ro)	3.217 in
Torsional Flexural Constant (Beta)	0.379

*By request



MANUFACTURING Codes & Standards

NASPEC AISI S100-07 IBC 2009 2012 Compliant
Coated in accordance to ASTM A1003 & A653
Meets or exceeds ASTM C955 & AISI S200
Code Evaluation Report ICC-ESR #3957

GREEN Benefits & LEED Data:

LEED Credit MR 2 - Construction Waste Mgmt - 1-2 Points
LEED Credit MR 4 - Recycled Credit - 1-2 Points
LEED Credit MR 5 - Regional Materials - 1-2 Points
CRACO products are 100% recyclable
Contact Technical Services for more information